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PETROLEUM-MACHINE BUILDERS FORGE AHEAD OF PLAN; TRUST GOES ON PROFIT BASIS

SWEEP THROUGH NORMS IN RECORD TIME -- Baku, Bakinskiy Rabochiy, 17 Nov 50

Over 70 percent of the workers at the Baku Plant imeni Kirov are Stakhanovites. Over 240 workers have fulfilled from 1½-2 yearly norms in 8 months, and 48 have completed 2-3 yearly norms. High-speed machining methods have been mastered by 83 workers.

Since the first of the year, the tool-joint shop has put out 4,500 above-plan tool joints, exceeding the yearly pledge of the shop fourfold. The shop has saved 8,521 hours of labor as a result of relieving its machines without stopping them.

MACHINISTS, FOUNDERS LEAD PLANT -- Baku, Bakinskiy Rabochiy, 14 Nov 50

The Baku Plant imeni Lieutenant Shmidt, which met the Five-Year Plan in 1948, is maintaining its high production record. In October 1950, production was 2.4 times greater than it was for the same month in 1946. The output of rotors was four times greater, that of reduction mechanisms, 9.5 times greater. Productivity of labor at the plant has grown 2.2 times.

Leading the rest of the plant are the machine-assembly shop, the stamping shop, and the steel-casting shop. All three have fulfilled the 11-month plan ahead of time.

LIMITATIONS SAVE MATERIAL IN MANUFACTURE OF MACHINES -- Baku, Bakinskiy Rabochiy, 3 Nov 50

Recent efforts of Baku machine builders have been of immeasurable benefit to the petroleum industry. Oil fields have received powerful pumping jacks, and deep-well pumps with sucker rods heat-treated the entire length of the rods, both

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of which have helped revolutionize deep-well pumping methods. New types of drilling equipment, such as the Sh-8-Bakinets rotor, the ShV-14-160 swivel, the Godzhayev eight-speed winch, and certain drills, have allowed the industry to radically alter prewar drilling techniques.

Baku plants have also devoted an important part of their production to devices designed by Engineer Molchanov, which have figured prominently in advanced techniques of underground and capital repair of wells. In a comparatively short period of time, production was gotten underway on lift-washing aggregates and 20-ton floating cranes, both of which are needed in marine extraction.

The Azneftemash Trust completed the 10-month plan for gross production 27 October. In the all-Union competition between enterprises of the petroleum industry, plants of the Azneftemash Trust have consistently distinguished themselves by their high production indexes. For its efforts during the third quarter of 1950, the Plant imeni Lieutenant Shmidt took first place, and along with it the Transferable Red Banner of the Council of Ministers USSR. The Plant imeni Kirov took second place, while the Bakinskiy Rabochiy Plant ran third.

During 9 months of this year, all plants of the trust except one fulfilled or exceeded their gross-production quotas. In 1950, gross production rose 33.3 percent above that of a corresponding period of the preceding year. The best indexes were attained by the Plant imeni Lieutenant Shmidt, and the Kishlinskiy Plant, both of which were over 20 days ahead of the plan. The plan for range of production was completely met by the Plants imeni Lieutenant Shmidt, imeni Lenin, imeni Kirov, imeni Dzerzhinskiy, the Kishlinskiy Plant, and the Bakinskiy Rabochiy Plant. Plants of the trust also have achieved successes in boosting the productivity of labor, going over the planned figure by 6.5 percent. Against the corresponding period of 1949, it went up 27.3 percent. During 9 months, the cost of comparable commodity production in the trust was reduced 31.3 percent, whereas the plan called for a reduction of only 28.8 percent.

Nearly all the plants of the trust have established limitations on release of materials going into production. During 9 months, over 2.5 million rubles' worth of material was saved by only nine of the plants. The Bakinskiy Rabochiy Plant saved 20 tons of rolled steel. The trust was able to undercut the material expenditure norms which the main administration set for the manufacture of the SKN-3 and SKN-7 pumping jacks. An increasing number of materials are coming under limitation of release.

During 9 months of 1950, plants of the trust saved over 15,000 kilograms of bronze, several thousand kilograms of aluminum, several hundred tons of ferrous metal, hundreds of tons of fuel, and various amounts of other materials. A change of technique in the forge shop of the plant imeni Budennyy made possible production of 30 tons of sound castings from saved metal.

The measures which have enabled the plants of the trust to reduce costs of petroleum machinery have also put the trust on a profit basis. During the 9-month period of 1950, the trust has run up an above-plan accumulation of over 3 million rubles. The greatest amount of above-plan profits was contributed by the Plants imeni Lieutenant Shmidt, imeni Pervoye Maya, the Kishlinskiy Plant, and others.

NEW WELDING TECHNIQUE CUTS OUT SEVERAL OPERATIONS -- Moscow, Moskovskaya Pravda, 30 Aug 50

A new welding technique is being applied successfully at the Podolsk Machine Building Plant imeni Ordzhonikidze in the manufacture of apparatus for the petroleum industry. This apparatus is 30 meters long and 3.5 meters in diameter, and consists of sections and bottoms.

The new technique consists of using automatic welders on edges which have not been chamfered and planned, as is customary in welding such apparatus. Instead, the edges are simply cut with greater accuracy, using a mechanically controlled oxyacetylene cutter, after which the edges are fitted with extreme accuracy.

Both X-ray and mechanical tests have shown the welds to be satisfactory. The new method has saved thousands of kilowatt-hours of electric power, freed much equipment for other work, and shortened the production cycle for the welded units.

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